



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010534
CERTIFICATION DATE: January 7, 2014
DATE RECERTIFICATION DUE: July 6, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

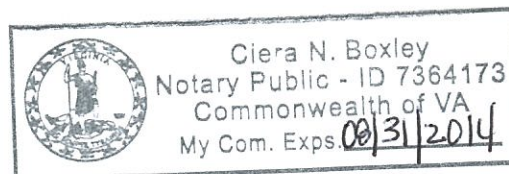
Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 24th day of
January, 2014 by Sarah E. Dersch

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
Sed

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/9/2014**

Instrument Serial Number: 010534

As of 09-Jan-14

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
07-Jan-14	07-Jan-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Jul-13	23-Jul-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
06-Feb-13	06-Feb-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
21-Aug-12	21-Aug-12	HMS (18910)	CERTIFIED
24-Apr-12	24-Apr-12	DBH (21250)	CERTIFIED
16-Feb-12	16-Feb-12	HMS (18910)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
12-Oct-11	03-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON.
03-Aug-11	03-Aug-11	DBH (21250)	CERTIFIED
23-Feb-11	23-Feb-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Sep-10	15-Sep-10	DBH (21250)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
30-Mar-10	30-Mar-10	DBH (21250)	REPLACED DRY GAS STANDARD, CALIBRATED AND CERTIFIED.
14-Oct-09	14-Oct-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED.
07-May-09	07-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
20-Nov-08	20-Nov-08	DBH (21250)	CERTIFIED.
10-Oct-08	10-Oct-08	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
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INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010534 Worksheet Start Date 1/7/2014
Location Henry CO SO
Address 3160 Kings Mountain Rd Martinsville VA 24112
DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 742 Reference Barometer (mm HG) 745
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.294
0.300	0.293	0.284	0.301	Sample 2	0.291
Precision		sample min	sample max	Sample 3	0.291
0.003		0.291	0.294		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.098	0.095	0.101	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

Dry gas standard Lot No. (with tank no.) AG332301-25

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies

Mouthpieces

Certificates of Analysis

Operator Worksheet

Other:

50

50

Notes:

Instrument Serial Number

010534

Certification Date

1/7/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.240
0.250	0.244	0.236	0.251	Sample 2	0.241
Precision		sample min	sample max	Sample 3	0.241
0.001		0.240	0.241		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.145
0.150	0.147	0.142	0.151	Sample 2	0.145
Precision		sample min	sample max	Sample 3	0.145
0		0.145	0.145		

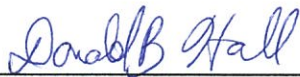
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.078	0.075	0.081	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section


DFS Technician



Date

1/9/14

Issuing Analyst



Date

1/14/14

Intox EC/IR-II: Certification

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Department of Forensic Science

Serial Number: 010534 Test Number: 2011
Test Date: 01/07/2014 Test Time: 15:59 EST

Technician Initials: DBH

Dry Gas Target: 0.244

Lot Number: 2961225012-09 Exp Date: 11/01/2014

Tank Pressure: 654 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:59
BLK	0.000	16:00
CHK	0.240	16:01
BLK	0.000	16:02
CHK	0.241	16:03
BLK	0.000	16:04
CHK	0.241	16:05
BLK	0.000	16:06

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
sid

Department of Forensic Science

Serial Number: 010534 Test Number: 2012

Test Date: 01/07/2014 Test Time: 16:09 EST

Technician Initials: DBH

Dry Gas Target: 0.147

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 281 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:10
BLK	0.000	16:10
CHK	0.145	16:11
BLK	0.000	16:12
CHK	0.145	16:13
BLK	0.000	16:14
CHK	0.145	16:15
BLK	0.000	16:16

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
gnd

Department of Forensic Science

Serial Number: 010534 Test Number: 2013

Test Date: 01/07/2014 Test Time: 16:19 EST

Technician Initials: DBH

Dry Gas Target: 0.078

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 865 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:20
BLK	0.000	16:21
CHK	0.078	16:21
BLK	0.000	16:23
CHK	0.078	16:23
BLK	0.000	16:25
CHK	0.078	16:25
BLK	0.000	16:27

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
Sd

Department of Forensic Science

Serial Number: 010534 Test Number: 2014

Test Date: 01/07/2014 Test Time: 16:29 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 747 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:29
BLK	0.000	16:30
CHK	0.019	16:31
BLK	0.000	16:32
CHK	0.019	16:33
BLK	0.000	16:34
CHK	0.019	16:35
BLK	0.000	16:36

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

DBH/
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Department of Forensic Science

Serial Number: 010534 Test Number: 2015

Test Date: 01/07/2014 Test Time: 16:39 EST

Dry Gas Target: 0.293

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 223 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	16:40
CHK	0.294	16:41
BLK	0.000	16:43
CHK	0.291	16:43
BLK	0.000	16:45
CHK	0.291	16:46

Test Status: Success

Calibration CRC: F59E01F5

Intox EC/IR-II: Accuracy Check

DBH
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Department of Forensic Science

Serial Number: 010534 Test Number: 2016

Test Date: 01/07/2014 Test Time: 16:49 EST

Dry Gas Target: 0.098

Lot Number: AG332301-25 Exp Date: 11/19/2015

Tank Pressure: 1125 psi Barometric Pressure: 743 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	16:49
CHK	0.098	16:50
BLK	0.000	16:52
CHK	0.098	16:53
BLK	0.000	16:54
CHK	0.098	16:55

Test Status: Success

Calibration CRC: F59E01F5

DBH
Jee




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/07/2014
TEST EQUIPMENT NUMBER 010534		

RESULTS: TIME SAMPLE TAKEN 17:04 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 09 Jan 2014 at 10:25

DBH
srd

Test Results

Instrument Serial Number 010534

Test # 002017 Subject Test

Test Location 1 Department of
Test Date 07 Jan 2014

Test Location 2 Forensic Science
Test Time 16:58
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 07 Jan 2014 End Time 17:05

Result Time 17:04

Result Date 07 Jan 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:58

Data Type BLK

Sample Value 0.000

Sample Time 16:59

Data Type CHK

Sample Value 0.098

Sample Time 16:59

Data Type BLK

Sample Value 0.000

Sample Time 17:01

Data Type SUBJ

Sample Value 0.000

Sample Time 17:02

Data Type BLK

Sample Value 0.000

Sample Time 17:03

Data Type SUBJ

Sample Value 0.000

Sample Time 17:04

Data Type BLK

Sample Value 0.000

Sample Time 17:05

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG332301-25

Standard Expiration Date 11/19/2015

Tank Pressure 1125

Barometric Pressure 743 mmHg

Blow Sample Number 1 Blow Duration 3.70 sec

Blow Volume 1847 cc

End-of-Blow Time 17:02

Blow Sample Number 2 Blow Duration 3.75 sec

Blow Volume 1882 cc

End-of-Blow Time 17:04

Tamper Evident Stamp db63904e

Test Status Code 0

Test Status Success